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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/686,343	10/14/2003	Ernie Brickell	42P15784	7197
59796	7590	05/09/2007		
INTEL CORPORATION c/o INTELLEVATE, LLC P.O. BOX 52050 MINNEAPOLIS, MN 55402			EXAMINER HA. LEYNNA A	
			ART UNIT 2135	PAPER NUMBER
			MAIL DATE 05/09/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/686,343

Applicant(s)

BRICKELL ET AL.

Examiner

LEYNNA T. HA

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10 April 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,2,4-10,12-18 and 20 is/are pending in the application.
- 4a) Of the above claim(s) 3,11 and 19 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,2,4-10,12-18 and 20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

1. Claims 1-2, 4-10, 12-18, and 20 is pending.
Applicants have cancelled claims 3, 11, and 19.
2. This is a Non-Final rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. **Claims 1-2, 4-10, 12-18, and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable by Scherr, et al. (US 7,134,138), and further in view of Challener, et al. (US 7,194,762).**

As per claim 1:

Scherr discloses a method of managing authorization tokens within a computer system comprising:

creating a master owner token (**col.7, lines 63-65**) indicating full ownership [of a trusted platform module] within the computer system by a

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management environment; ((col.5, lines 48-53 and col.7, lines 40-50; Scherr discloses a master token and that the data access manager creates and distributes tokens and host tokens used to identify and authenticate host computers.),

creating at least one delegate owner token for a delegated environment; (col.6, lines 49-50 and col.7, lines 18-21; Scherr discloses a host token is the claimed delegate owner that identifies the host in the request sent to authorize access to data (col.5, lines 49-50). The claimed delegated environment can broadly be interpreted as components, computers, systems, etc. according to the host token.)

communicating the delegate owner token to the delegated environment [and to the trusted platform module]; and (col.5, lines 50-54)

allowing access [to the trusted platform module] by the delegated environment when the delegated environment presents a valid delegate owner token [to the trusted platform module]. (col.13, lines 23-35 and col.14, lines 49-65)

Scherr discloses creating a master token of a data access manager and allowing access to the data access manager rather than for a trusted platform module (TPM). Thus, Scherr did not include a TPM.

Challenger discloses a method and system for improved security password-based access to computer networks. The system comprises a server where the server comprises a security chip (col.2, lines 45-49). The invention

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comprises a security chip, such as a Trusted Platform Module (TPM) where a phrase is signed by the security chip using an encryption key assigned either to the remote user or the security chip (col.2, lines 16-18 and 28-32). The security chip comprises encryption keys, such as a public key/private key pair assigned to the chip (col.2, lines 51-53). Challenger discloses a remote user request access to the computer network by providing an ID and password to the server (col.3, lines 4-7). The password is according to the remote user and for access to the server. Thus, the system comprising a server reads on the claimed delegated environment and the remote user password reads on the delegate owner token because the user's password is given to the server and to the security chip (TPM) as claimed (col.4, lines 57-59). Challenger teaches using a security chip further decreases the exposure to brute force attacks and such TPM allow only certain number of unsuccessful entries of a password before a user is locked (col.3, lines 24-26). So the user of the security chip enforces protection against hardware hammering (col.4, lines 15-19).

Therefore, it would have been obvious for a person of ordinary skills in the art to combine the teaching by Scherr of the master token to indicate full ownership and to allow access with the teaching of a trusted platform module (TPM) as taught by Challenger because using a security chip decrease the exposure to brute force attacks and enforces protection against hardware hammering (col.3, lines 24-26 and col.4, lines 18-19).

As per claim 2: See Scherr on col.8, lines 34-37; discloses the method of

claim 1, further comprising storing the master owner token in a secure storage within the computer system.

As per claim 3: Cancelled

As per claim 4: See Scherr on col.5, lines 50-54; discloses the method of claim 1, wherein the management environment assigns a delegate owner token to a delegated environment by sealing the delegate owner token to the delegated environment.

As per claim 5: See Scherr on col.7, lines 64-65; discloses the method of claim 1, wherein the master owner token indicates the management environment can change at least one of the master owner token and a delegate owner token.

As per claim 6: See Scherr on col.5, lines 31-36; discloses the method of claim 1, further comprising launching the management environment before launching the delegated environment.

As per claim 7: See col.8, lines 22-25 and 62-64; discloses the method of claim 1, further comprising storing the delegate owner token in an access control list in the resource.

As per claim 8: See Scherr on col.12, lines 41-49; discloses the method of claim 1, further comprising removing, by the management environment, a delegate owner token from the access control list and adding a different delegate owner token to the access control list.

As per claim 9:

Scherr discloses an article comprising:

a storage medium having a plurality of machine readable instructions, wherein when the instructions are executed by a processor (**col.6, lines 57-67**), the instructions provide for managing authorization tokens within a computer system by creating a master owner token (**col.7, lines 63-65**) indicating full ownership [*of a trusted platform module*] within the computer system by an administrative environment; (**col.5, lines 48-53 and col.7, lines 40-50; Scherr discloses a master token and that the data access manager creates and distributes tokens and host tokens used to identify and authenticate host computers.**),

creating at least one delegate owner token for a environment; (**col.6, lines 49-50 and col.7, lines 18-21; Scherr discloses a host token is the claimed delegate owner that identifies the host in the request sent to authorize access to data (col.5, lines 49-50). The claimed delegated environment can broadly be interpreted as components, computers, systems, etc. according to the host token.**)

communicating the delegate owner token to the environment [*and to the trusted platform module*]; and (**col.5, lines 50-54**)

allowing access [*to the trusted platform module*] by the environment when the environment presents a valid delegate owner token [*to the trusted platform module*] (**col.13, lines 23-35 and col.14, lines 49-65**)

Scherr discloses creating a master token of a data access manager and allowing access to the data access manager rather than for a trusted platform module (TPM). Thus, Scherr did not include a TPM.

Challener discloses a method and system for improved security password-based access to computer networks. The system comprises a server where the server comprises a security chip (col.2, lines 45-49). The invention comprises a security chip, such as a Trusted Platform Module (TPM) where a phrase is signed by the security chip using an encryption key assigned either to the remote user or the security chip (col.2, lines 16-18 and 28-32). The security chip comprises encryption keys, such as a public key/private key pair assigned to the chip (col.2, lines 51-53). Challener discloses a remote user request access to the computer network by providing an ID and password to the server (col.3, lines 4-7). The password is according to the remote user and for access to the server. Thus, the system comprising a server reads on the claimed delegated environment and the remote user password reads on the delegate owner token because the user's password is given to the server and to the security chip (TPM) as claimed (col.4, lines 57-59). Challener teaches using a security chip further decreases the exposure to brute force attacks and such TPM allow only certain number of unsuccessful entries of a password before a user is locked (col.3, lines 24-26). So the user of the security chip enforces protection against hardware hammering (col.4, lines 15-19).

Therefore, it would have been obvious for a person of ordinary skills in the art to combine the teaching by Scherr of the master token to indicate full ownership and to allow access with the teaching of a trusted platform module (TPM) as taught by Challenger because using a security chip decrease the exposure to brute force attacks and enforces protection against hardware hammering (col.3, lines 24-26 and col.4, lines 18-19).

As per claim 10: See Scherr on col.8, lines 34-37; discloses the article of claim 9, further comprising instructions for storing the master owner token in a secure storage within the computer system.

As per claim 11: Cancelled

As per claim 12: See Scherr on col.5, lines 50-54; discloses the article of claim 9, wherein the management environment assigns a delegate owner token to a delegated environment by sealing the delegate owner token to the delegated environment.

As per claim 13: See Scherr on col.7, lines 64-65; discloses the article of claim 9, wherein the master owner token indicates the management environment can change at least one of the master owner token and a delegate owner token.

As per claim 14: See Scherr on col.5, lines 31-36; discloses the article of claim 9, further comprising instructions for launching the management environment before launching the environment.

As per claim 15: See Scherr on col.8, lines 22-25 and 62-64; discloses the

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article of claim 9, further comprising instructions for storing the delegate owner token in an access control list in the resource.

As per claim 16: See Scherr on col.12, lines 41-49; discloses the article of claim 9, further comprising instructions for removing, by the management environment, a delegate owner token from the access control list and adding a different delegate owner token to the access control list.

As per claim 17:

Scherr discloses a computer system comprising:

a plurality of environments;

a management environment to create a master owner token (**col.7, lines 63-65**) indicating full ownership [*of a trusted platform module*] within the computer system (**col.5, lines 48-53 and col.7, lines 40-50; Scherr discloses a master token and that the data access manager creates and distributes tokens and host tokens used to identify and authenticate host computers.**), to create a plurality of delegate owner tokens indicating partial ownership [*of the trusted platform module*] (**col.6, lines 49-50 and col.7, lines 18-21; Scherr discloses a host token is the claimed delegate owner that identifies the host in the request sent to authorize access to data (col.5, lines 49-50). The claimed delegated environment can broadly be interpreted as components, computers, systems, etc. according to the host token.**), and

to communicate a selected one of the delegate owner tokens to a selected one of the plurality of environments *[and to the trusted platform module]*; **(col.5, lines 41-54)**

wherein *[the trusted platform module]* stores delegate owner tokens received from the management environment and allows access *[to the trusted platform module]* by the selected environment when a valid delegate owner token is presented *[to the trusted platform module]* by the selected environment. **(col.13, lines 23-35 and col.14, lines 49-65)**

Scherr discloses creating a master token of a data access manager that function as a master password (col.7, lines 63-64) and allowing access to the data access manager rather than for a trusted platform module (TPM). Thus, Scherr did not include a TPM.

Challenger discloses a method and system for improved security password-based access to computer networks. The system comprises a server where the server comprises a security chip (col.2, lines 45-49). The invention comprises a security chip, such as a Trusted Platform Module (TPM) where a phrase is signed by the security chip using an encryption key assigned either to the remote user or the security chip (col.2, lines 16-18 and 28-32). The security chip comprises encryption keys, such as a public key/private key pair assigned to the chip (col.2, lines 51-53). Challenger discloses a remote user request access to the computer network by providing an ID and password to the server (col.3, lines 4-7). The password is according to the remote user and

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for access to the server. Thus, the system comprising a server reads on the claimed delegated environment and the remote user password reads on the delegate owner token because the user's password is given to the server and to the security chip (TPM) as claimed (col.4, lines 57-59). Challenger teaches using a security chip further decreases the exposure to brute force attacks and such TPM allow only certain number of unsuccessful entries of a password before a user is locked (col.3, lines 24-26). So the user of the security chip enforces protection against hardware hammering (col.4, lines 15-19).

Therefore, it would have been obvious for a person of ordinary skills in the art to combine the teaching by Scherr of the master token to indicate full ownership and to allow access with the teaching of a trusted platform module (TPM) as taught by Challenger because using a security chip decrease the exposure to brute force attacks and enforces protection against hardware hammering (col.3, lines 24-26 and col.4, lines 18-19).

As per claim 18: See Scherr on col.8, lines 34-37; discloses a computer system of claim 17, further comprising a secure storage to store the master owner token.

As per claim 19: Cancelled

As per claim 20: See Scherr on col.5, lines 50-54; discloses the computer system of claim 19, wherein the trusted platform module comprises an access control list for storing the delegate owner tokens received from the management environment.

Response to Arguments

4. Applicant's arguments, filed 4/10/2007, with respect to the rejection(s) of claim(s) 1-20 under USC 102(e) over Scherr, et al. have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of the Scherr and Challener combination.

Conclusion

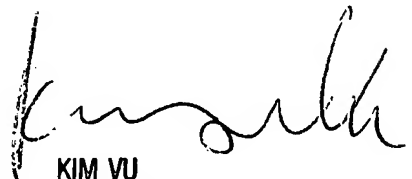
Any inquiry concerning this communication or earlier communications from the examiner should be directed to LEYNNA T. HA whose telephone number is (571) 272-3851. The examiner can normally be reached on Monday - Thursday (7:00 - 5:00PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kim Vu can be reached on (571) 272-3859. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

LHa



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